

# CHENEY TESTING COMPANY, INC.

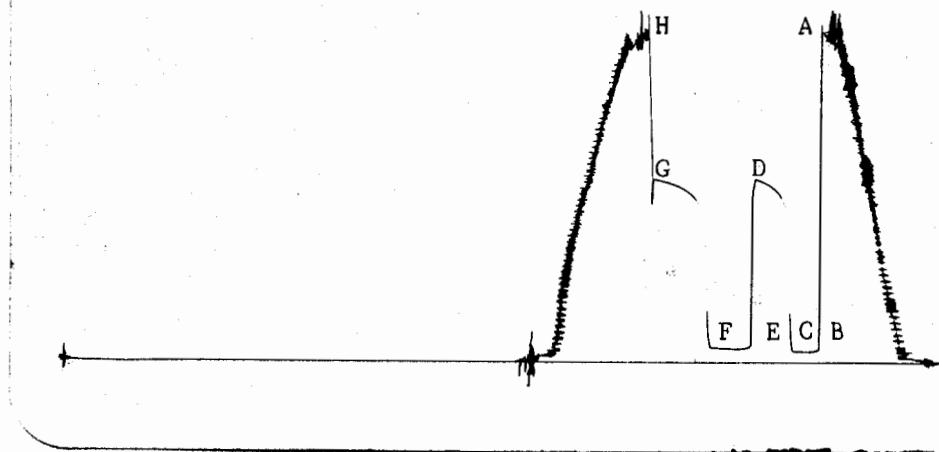
P. O. Box 367 HILL CITY, KANSAS 67642

## DRILL-STEM TEST DATA

Company	Pate-Dombaugh Petroleum		Test No.	1
Well Name & Number	Close #1		Zone Tested	Lansing Kansas City "B"
Company Address	502 Union Center, Wichita, Ks. 67202		Date	10-23-85
Company Rep.	Don R. Pate		Tester	Dan Bangle
Contractor	J. O. Farmer, Inc.		Elevation	1918
Location: Sec. 18	Twp. 16s	Rge. 19w	CoRush	State Ks.
				Est. Feet of Pay

Recorder No.	13278	Type	AK-1	Range	4400	PSI	Recorder No.	7437	Type	AK-1	Range	4200	PSI
Recorder Depth	3512	Clock #	25719	Recorder Depth	3516	Clock #	23858						
(A) Initial Hydrostatic Mud	1854	PSI	Tool Open Before I.S.I.	30	Mins.								
(B) First Initial Flow Pressure	65	PSI	Initial Shut-in	30	Mins.								
(C) First Final Flow Pressure	65	PSI	Flow Period	30	Mins.								
(D) Initial Shut-in Pressure	1023	PSI	Final Shut-in	45	Mins.								
(E) Second Initial Flow Pressure	76	PSI	Top Choke Size	1"	Hole Size	7 7/8"							
(F) Second Final Flow Pressure	87	PSI	Bottom Choke Size	3/4"	Rubber Size	6 3/4"							
(G) Final Shut-in Pressure	1012	PSI	Tool Open @	1:35 A.M.									
(H) Final Hydrostatic Mud	1812	PSI	Blow Remarks										
Temperature	103°		1st Open:	Weak Blow, Died in 10 Minutes.									
Mud Weight	9.6	Viscosity	35	2nd Open:	No Blow.								
Fluid Loss			5.6	Mud Chlorides:	52,000 PPM								
Interval Tested			3486-3520	Recovery Chlorides:	31,000 PPM								
Anchor Length			34	Risistivity:	0.24 @ 67°								
Top Packer Depth			3481	Drill Collars:	I.D. 2.25, Ft. Run 28								
Bottom Packer Depth			3486	Wt. Pipe I. D.	2.70	Ft. Run	829						
Total Depth			3520	Recovered	70	Feet Of	Muddy Water (No Show)						
Drill Pipe Size			4 1/2" XH	Recovered		Feet Of							
Recovered	70	Feet Of	Muddy Water (No Show)	Recovered		Feet Of							
Recovered		Feet Of		Recovered		Feet Of							
Recovered		Feet Of		Recovered		Feet Of							
Recovered		Feet Of		Recovered		Feet Of							
Recovered		Feet Of		Extra Equipment		Price of Job	550.00						

7437  
#1



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1854	PSI
(B) First Initial Flow Pressure	65	PSI
(C) First Final Flow Pressure	65	PSI
(D) Initial Closed-in Pressure	1023	PSI
(E) Second Initial Flow Pressure	76	PSI
(F) Second Final Flow Pressure	87	PSI
(G) Final Closed-in Pressure	1012	PSI
(H) Final Hydrostatic Mud	1812	PSI

**ARROW TESTING COMPANY**  
P. O. BOX 1051                   GREAT BEND, KANSAS 67530

**DRILL-STEM TEST DATA**

Well Name	Close	Test No.	2
Well Number	1	Zone Tested	Arb
Company	Pate-Dombaugh Petroleum	Date	10-24-85
Comp. Rep.	D Pate	Tester	Don Fabricius
Contractor	J O Farmer	Ticket No.	2358
Location	18-16-19 NW - SE - SE 18-16S - 19W	Elevation	

Recorder No.	3088	Clock Range	12	Recorder No.	4377	Clock Range	12
Depth	3842	Depth	3846				
Initial Hydro Mud Press.	1986	Initial Hydro Mud Press.	2042				
Initial Shut-in Press.	1017	Initial Shut-in Press.	1049				
Initial Flow Press.	113-193	Initial Flow Press.	139-209				
Final Flow Press.	250-284	Final Flow Press.	290-304				
Final Shut-in Press.	1006	Final Shut-in Press.	1027				
Final Hydro Mud Press.	2008	Final Hydro Mud Press.	2042				
Temperature		Tool Open Before I. S. I.	30	Mins.			
Mud Weight	10	Viscosity	41	Initial Shut-in	30	Mins.	
Fluid Loss	10			Flow Period	30	Mins.	
Interval Tested	3822-50			Final Shut-in	45	Mins.	
Top Packer Depth	3817			Surface Choke Size	1"		
Bottom Packer Depth	3822			Bottom Choke Size	3/4"		
Total Depth	3850			Main Hole Size	7 7/8		
Drill Pipe Size	4 1/2 x H	Wt.	16.60	Rubber Size	6 3/4		
Drill Collar I. D.		Ft. Run					
Recovery—Total Feet							
Recovered	420	Feet Of	Gas in pipe				
Recovered	65	Feet Of	Heavy oil cut mud				
Recovered	660	Feet Of	Muddy oil				
Recovered		Feet Of					
Remarks	<hr/> <hr/> <hr/>						
Strong blow thru-test	<hr/> <hr/> <hr/>						

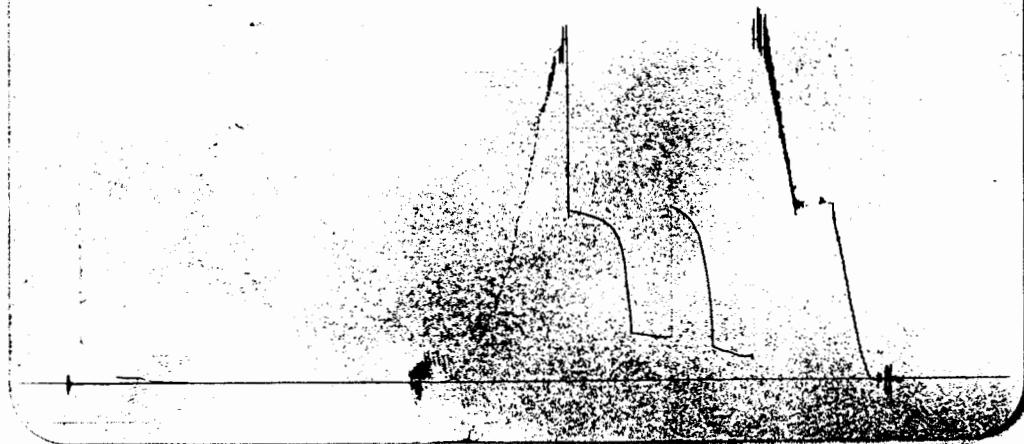
**THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED. CONDITIONS:** It is expressly understood and agreed that the above described work shall be done under the exclusive control, direction and supervision of the owner or contractor. As a part of the consideration for this agreement, it is expressly understood and agreed that Arrow Testing Company shall not be responsible for damages or losses of any kind whatsoever occasioned by or incident to the use of the above described Tools, whether run or operated by customer, or by anyone employed directly or indirectly by Arrow Testing Company, nor whether resulting from the acts or omissions of Arrow Testing Company, or any of its agents, servants or employees in any way connected with or related to the use of such Tools.

It is expressly understood and agreed that Arrow Testing Company, shall not be bound by any agreement, not herein contained, and no agent or representative connected with or employed by Arrow Testing Company has authority to alter or extend the terms of this agreement. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

By \_\_\_\_\_  
Owner, Operator or his Agent

3088

2358



27

2358

